



1/5

Yo



Address
$$#1 = [1, 0, 0, 0] = Y0$$

Address $\#2 = [0, 1, 0, 0] = Y_1$

Address #3 = [1, 1, 0, 0]

Address $#4 = [0, 0, 1, 0] = Y_2$

Address #5 = [1, 0, 1, 0]

Address #6= [0, 1, 1, 0]

Address #7= [1, 1, 1, 0]

Address #8 = $[0, 0, 0, 1] = \dot{Y}3/$

Address #9= [1, 0, 0, 1]

Address $#10 = [0, 1, 0, 1]^{\frac{1}{2}}$

Address #11 = [1,1, 0, 1]

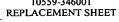
Address #12= [0, 0, 1, 1]

Address #13= [1, 0, 1, 1]

Address $#14 = [0, 1, 1, 1]^{l}$

Address #15= [1, 1, 1, 1]

FIG. 1



2/5



Address $\#0 = [1, 1, 1, 1] = Y_0$ Y0 Address #1 = [-1, 1, 1, 1] Address #2= [1,-1, 1, 1] Address #3= [-1, -1, 1, 1] Address #4= [1, 1, -1, 1] Address #5= [-1, 1, -1, 1] Address #6= $[1, -1, -1, 1]^{7}$ Address #7= [-1, -1, -1, 1] Address $\#8 = [1, 1, 1, -1] = Y_1$ Y1 Address $#9 = [-1, 1, 1, -1] = Y_2$ **Y**2 **Y**2 Address #10 = [1,-1, 1, -1] = Y3**Y**3 Υз

FIG. 2

3/5



X0 < ---> [-1, 0, 0, 0](1/2),X1 <--->[1, -1, 0, 0](1/2) X2<--->[-1, -1, -1, 0](1/2 X3<--->[-1, -1, 1, -1] 0=[1, 1, 1, 1] Xn-1<--->[1, -1, -1, 1]/ Xn < ---> [0, 1, -1, -1](-1/2)Xn+1 < --- > [0, 0, 1, -1](-1/2)Xn+2 < --- > [0, 0, 0, 1](1/2)

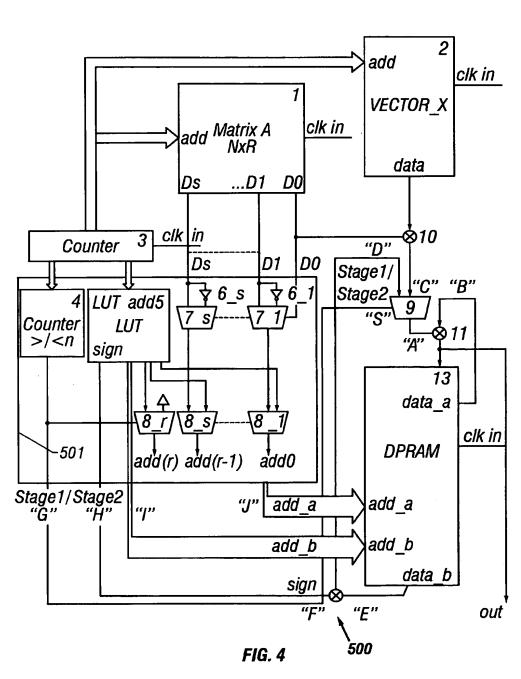
FIG. 3

Page 4 of 5
METHOD AND APPARATUS FOR EFFECTIVELY PERFORMING LINEAR TRANSFORMATIONS
09/680,665
10559-346001
REPLACEMENT SHEET

4/5



ANN FILLER)



10359-346001 REPLACEMENT SI



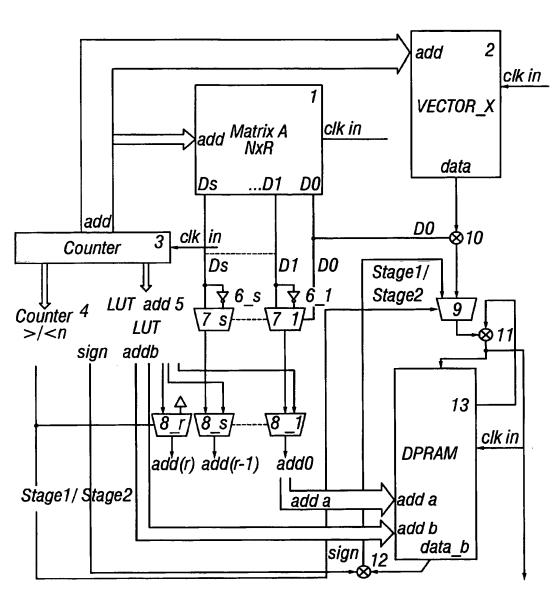


FIG. 5